

Emergency Response Plan
Pete's Lake Water Users Society
Lasqueti Island, BC

So, what is an emergency?

- **Loss of supply**
- **Loss of treatment/disinfection**
- **Broken distribution lines**
- **Microbial contamination**
- **Chemical contamination**
- **Anything out of the ordinary, which might impact the safety/flow of the water**

Personnel Contacts

Operator/Maintenance	Kyle Darwin	(cell) 250-607-1341
	Pachiel Smith	(cell) 250-240-0914
	John Martin	333-8599

Key Operational/Maintenance Volunteers

Doane Grinnell	333-8501; (cell) 250-240-5010
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Volunteers

Society Treasurer	Neil Matheson	250-1-595-8183; 250-240-8183
Society Secretary	Barbara Smith	250-248-6785; 250-951-1455
Admin support	Terry Theiss	333-8501

Emergency Contacts

Fire/ Ambulance/First Responders/Medivac	1-855-871-1175 or 250-954-4432
Fire	

Chief Medical Health Officer	Dr. Réka Gustafson	250-519-3406 or 1-800-204-6166
Island Health Environmental Health Officer	Elizabeth Thomson	250-947-8222
Island Health Drinking Water Consultant	Lynn Magee	250-370-8699
Public Health Engineer	Murray Sexton	250-755-6293 or (after hours) 1-800-204-6166
Ministry of Environment	(for reporting spills or emergencies)	1-800-663-3456
Highways Maintenance	Mainroad Contracting	250-751-3246
Excavation Services	Don MacDonald	333-8757

Phone Tree Initiators

John Martin	333-8599
Terry Theiss	333-8501
Jayn Tyson	333-8687

Emergency Action

Fuel Spills or Contamination at Lake

A Spill Kit is located at the Society's facilities at Pete's Lake.

Action

- Contact Pete's Lake maintenance/volunteer personnel.
- Kyle Darwin and/or Pachiel Smith (John Martin) to shut off system as soon as possible by closing intake valves at the Lake and at the two lower manifolds.
- Kyle Darwin and/or Pachiel Smith to attach "**Do Not Use the Water**" notices at designated areas.

Follow up

- Phone Tree Initiators to contact members using Phone Tree.
- Jayn Tyson to contact Drinking Water Officer and other appropriate persons.
- John Martin to coordinate repairs, clean up, water sampling and system start up.
- Identify and correct source of contamination.
- Begin clean-up/flushing of lines as required.
- Send water samples to accredited laboratory for testing.
- Resume water supply only if approved by Drinking Water Officer.
- Review incident, determine changes/improvements for procedures to reduce future risk.

High Turbidity, High Bacteria Count

If we see a significant increase in bacterial activity, either from the Island Health tests, or our own testing audit(s), we will inform the membership, recommend increased caution in addition to standard practice, and investigate to see if we can identify the cause and take remedial action.

Action

- Contact Pete's Lake maintenance/staff/volunteer personnel.
- Kyle Darwin and/or Pachiel Smith (John Martin) to shut off system as necessary by closing intake valves at the Lake and at the two lower manifolds.

Follow up:

- As noted above.

Loss of Pressure/Line Break

Action

- Contact Pete's Lake maintenance/staff/volunteer personnel.
- Kyle Darwin and/or Pachiel Smith (John Martin) to shut off system by closing intake valves at the two lower manifolds and, if necessary, at the Lake.
- Locate problem and repair.

Follow up:

- As noted above.
- Contact Pete's Lake maintenance/staff/volunteer personnel.
- If lake level is low, Board of Directors to begin rationing/restriction procedures.
- Take necessary action to ensure suction is maintained.
- Phone Tree Initiators to contact members using Phone Tree.

NOTE:

Due to being off the grid, the Pete's Lake system (i.e., no power, no pumps, no filtration/purifying system) no other emergencies such as power failure, pump failure, or chlorine leaks are applicable.

General Procedures

Tools and spare parts/pipe are kept by Pachiel Smith and Kyle Darwin.

Each of the two lower manifolds, have shut-off valves on their incoming pipes. These should be closed first, whenever possible.

Two upper shut-off valves are located at the Lake, below the dam, at a distance of approximately 50 meters from the Lake on the west side of the road. They are to be shut off for any emergency, which requires isolating the system from the lake.

Copies of this Emergency Response Plan are to be distributed to all members, and posted at the school, post office, and with Island Health representatives.

Loss of Flow for Whatever Reason (dam breakage, drought, major disaster)

Because Pete's Lake is the only water supply that we have, in the event of a total failure of the system, either due to a loss of supply or contamination, each Pete's Lake user is required to have sufficient alternative water supplies on hand and ready to use. Each user, therefore, is requested to collect and store an adequate amount of water to be used during emergency situations. Large capacity storage tanks for emergency use are strongly recommended. The six 2,500 gallon tanks installed at the North End Fire Hall and in downtown False Bay are for emergency use only. They may be deployed in an extreme emergency, but members should not rely on those tanks alone to see them through a crisis.